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|--|------------------------|-------------------|
| <b>TRANSMITTAL FORM</b><br><i>(to be used for all correspondence after initial filing)</i> | Application Number     | 10/722,854        |
|  | Filing Date            | November 25, 2003 |
|  | First Named Inventor   | Hallberg, et. al. |
|  | Group Art Unit         |                   |
|  | Examiner Name          |                   |
| Total Number of Pages in this Submission   | Attorney Docket Number | KLR:7146.0180     |

| ENCLOSURES (check all that apply)  |  |   |
|--|--|---|
| <input type="checkbox"/> Fee transmittal<br><input type="checkbox"/> Fee attached form   | <input type="checkbox"/> Assignment Papers (for an application)                          | <input type="checkbox"/> After Allowance Communication to Group   |
| <input type="checkbox"/> Amendment<br><input type="checkbox"/> After Final/ Response<br><input type="checkbox"/> Affidavits/Declaration(s)   | <input type="checkbox"/> Drawing(s)  | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences                           |
| <input type="checkbox"/> Extension of Time Request   | <input type="checkbox"/> Licensing Related Papers  | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)                    |
| <input type="checkbox"/> Express Abandonment Request   | <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition     | <input type="checkbox"/> Proprietary Information  |
| <input checked="" type="checkbox"/> Information Disclosure Statement   | <input type="checkbox"/> Petition to Convert to a Provisional Application                | <input type="checkbox"/> Status Letter  |
| <input type="checkbox"/> Certified copy of Priority Documents  | <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address | <input checked="" type="checkbox"/> Additional Enclosures (identify below)                                    |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application   | <input type="checkbox"/> Terminal Disclaimer   | Form 1449 with listed prior art; a duplicate copy of this Transmittal Letter; and an acknowledgment Postcard, |
| <input type="checkbox"/> Response to Missing Parts Under 37 CFR 1.52 or 1.53   | <input type="checkbox"/> Small Entity Statement  |   |
|  | <input type="checkbox"/> Request for Refund  |   |
| Remarks: <b>Commissioner is authorized to charge any additional fee, or credit any overpayment, to Deposit Account No. 03-1550. A duplicate copy of this Transmittal Form is enclosed for purposes of use with Deposit Account No. 03-1550 as stated herein.</b> |  |   |

| SIGNATURE OF APPLICANT, ATTORNEY OR AGENT |                                   |
|---|-----------------------------------|
| Firm or Individual Name                   | Kevin L. Russell, Reg. No. 38,292 |
| Signature                                 |                                   |
| Date                                      | April 27 2004                     |

| CERTIFICATE OF MAILING  |                                   |      |               |
|---|-----------------------------------|------|---------------|
| I hereby certify that, on the date below, this correspondence is being deposited with the United States Postal Service in an envelope addressed to: Mail Stop Patent Applications (IDS-FEE), Commissioner for Patents, Post Office Box 1450, Alexandria, VA 22313-1450. |                                   |      |               |
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| <input type="checkbox"/> as "Express Mail Post Office to Addressee" - mailing label no. _____   |                                   |      |               |
| Type or print name  | Kevin L. Russell, Reg. No. 38,292 |      |               |
| Signature   |                                   | Date | April 27 2004 |



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION EXAMINING OPERATIONS

Applicant : Hallberg, et. al. Group Art Unit:  
Serial No. : 10/722,854 Examiner :  
Filed : November 25, 2003  
Title : METHOD AND APPARATUS FOR STORING MPEG-2  
TRANSPORT STREAMS USING A CONVENTIONAL  
DIGITAL VIDEO RECORDER

INFORMATION DISCLOSURE STATEMENT  
IN ACCORDANCE WITH 37 CFR §1.98

1600 ODS Tower  
601 S.W. Second Avenue  
Portland, Oregon 97204-3157  
April 27, 2004

Mail Stop Patent Applications (IDS)  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

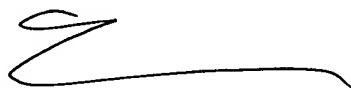
Applicants submit herewith Form PTO-1449 (Modified) listing the prior art of which applicant is aware and which applicants desire to have considered by the Patent Office in accordance with 37 CFR §1.97. In accordance with 37 CFR §1.97(b)(3), this Information Disclosure Statement is being submitted before the mailing date of a first Office Action on the merits of the above-identified application.

In accordance with 37 CFR §1.97(h), the filing of this Information Disclosure Statement will not be regarded as an admission that any patent or publication or combination of patents referred to herein is, or is considered to be, material to patentability under 37 CFR §1.56(b) unless specifically designated as such.

A list of the patents and publications enclosed herewith are set forth on the attached Form PTO-1449 (Modified).

The person making this statement is the attorney who signs below on the basis of the information supplied by the inventor and the information in his file.

Respectfully submitted,




Kevin L. Russell  
Reg. No. 38,292  
Attorney for Applicant  
Tel: (503) 227-5631

#### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Patent Applications (IDS), Commissioner for Patents, P. O. Box 1450, Alexandria, VA., on April 27, 2004.

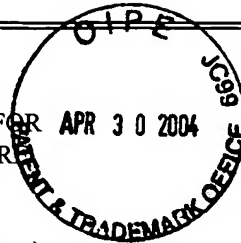
Dated: April 27 2004

  
Kevin L. Russell

FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)



ATTY. DOCKET NO.  
KLR 7146.0180

SERIAL NO.  
10/722,854

APPLICANT

Hallberg, et. al.

FILING DATE  
November 25, 2003

GROUP

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |     | DOCUMENT NUMBER | DATE     | NAME                | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|-----|-----------------|----------|---------------------|-------|----------|----------------------------|
|                  | AA  | 5,510,899       | 04/23/96 | Kim                 |       |          |                            |
|                  | AB  | 5,526,131       | 06/11/96 | Strolle, et. al.    |       |          |                            |
|                  | AC  | 5,535,208       | 07-1996  | Kawakami, et. al.   |       |          |                            |
|                  | AD  | 5,543,932       | 08/06/96 | Chang, et. al.      |       |          |                            |
|                  | AE  | 5,563,714       | 10/08/96 | Inoue, et. al.      |       |          |                            |
|                  | AF  | 5,579,183       | 11/26/96 | Van Gestel, et. al. |       |          |                            |
|                  | AG  | 5,587,789       | 12/24/96 | Lee, et. al.        |       |          |                            |
|                  | AH  | 5,589,993       | 12/31/96 | Naimpally           |       |          |                            |
|                  | AI  | 5,596,581       | 01/21/97 | Saeijs, et. al.     |       |          |                            |
|                  | AJ  | 5,623,344       | 04/22/97 | Lane, et. al.       |       |          |                            |
|                  | AK  | 5,668,916       | 07/15/97 | Sakazaki, et. al.   |       |          |                            |
|                  | AL  | 5,666,461       | 09/09/97 | Igarashi, et. al.   |       |          |                            |
|                  | AM  | 5,668,810       | 09/16/97 | Cannella, Jr.       |       |          |                            |
|                  | AN  | 5,668,916       | 09/16/97 | Fujinmami           |       |          |                            |
|                  | AO  | 5,587,789       | 11/11/97 | Lane, et. al.       |       |          |                            |
|                  | AP  | 5,717,641       | 02/10/98 | Ando, et. al.       |       |          |                            |
|                  | AQ  | 5,717,816       | 02/10/98 | Boyce, et. al.      |       |          |                            |
|                  | AR  | 5,727,113       | 03/10/98 | Shimoda             |       |          |                            |
|                  | AS  | 5,729,648       | 03/17/98 | Boyce, et. al.      |       |          |                            |
|                  | AT  | 5,729,649       | 03/17/98 | Lane, et. al.       |       |          |                            |
|                  | AU  | 5,739,862       | 04/14/98 | Cen                 |       |          |                            |
|                  | AV  | 5,754,651       | 05/19/98 | Blatter, et. al.    |       |          |                            |
|                  | AW  | 5,757,421       | 05/26/98 | Kato, et. al.       |       |          |                            |
|                  | AX  | 5,768,466       | 06/11/96 | Kawamura, et. al.   |       |          |                            |
|                  | AY  | 5,771,335       | 06/23/98 | Lee                 |       |          |                            |
|                  | AZ  | 5,774,441       | 06/30/98 | Nakagawa            |       |          |                            |
|                  | AAA | 5,778,143       | 07/07/98 | Boyce               |       |          |                            |
|                  | ABB | 5,790,177       | 08/04/98 | Kassatly            |       |          |                            |
|                  | ACC | 5,793,927       | 08/11/98 | Lane                |       |          |                            |

|  |     |           |          |                     |  |  |  |
|--|-----|-----------|----------|---------------------|--|--|--|
|  | ADD | 5,802,240 | 09/01/98 | Asai                |  |  |  |
|  | AEE | 5,802,242 | 09/01/98 | Kawamura, et. al.   |  |  |  |
|  | AFF | 5,812,734 | 09/22/98 | Shimoda, et. al.    |  |  |  |
|  | AGG | 5,832,172 | 11/03/98 | Joel                |  |  |  |
|  | AHH | 5,854,840 | 12/29/98 | Cannella, Jr.       |  |  |  |
|  | AII | 5,867,625 | 02/02/99 | McLaren             |  |  |  |
|  | AJJ | 5,872,933 | 02/16/99 | Kanai, et. al.      |  |  |  |
|  | AKK | 5,970,392 | 10-1999  | Hatae               |  |  |  |
|  | ALL | 5,987,126 | 11-1999  | Okuyama, et. al.    |  |  |  |
|  | AMM | 6,233,282 | 05-2001  | Guerrera            |  |  |  |
|  | ANN | 6,253,019 | 06-2001  | Yanagihara, et. al. |  |  |  |
|  | AOO | 6,333,950 | 12-2001  | Karaaswa            |  |  |  |
|  | APP | 6,430,356 | 08-2002  | Hara, et. al.       |  |  |  |
|  | AQQ | 6,442,630 | 08-2002  | Takayama, et. al.   |  |  |  |
|  | ARR | 6,507,673 | 01-2003  | Wang, et. al.       |  |  |  |
|  | ASS | 6,532,232 | 03-2003  | Goodwin, III        |  |  |  |
|  |     |           |          |                     |  |  |  |
|  |     |           |          |                     |  |  |  |

**FOREIGN PATENT DOCUMENTS**

|  |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|--|-----------------|------|---------|-------|----------|-------------|----|
|  |  |                 |      |         |       |          | YES         | NO |
|  |  |                 |      |         |       |          |             |    |
|  |  |                 |      |         |       |          |             |    |

**OTHER ART**

|  |    |  |
|--|----|--|
|  | CA | Twel, Thomas, "DV Coding: How It Works with IEEE-1394," presented July 29, 1997, <a href="http://desktopvideo.miningco.com/library/weekly/aa03698.htm">http://desktopvideo.miningco.com/library/weekly/aa03698.htm</a> |
|  | CB | CEI-IEC 61883-1 International Standard, Part 1, Consumer Audio/Video Equipment-Digital Interface   |
|  | CC | CEI-IEC 61883-2 International Standard, Part 2, Consumer Audio/Video Equipment-Digital Interface   |
|  | CD | IEEE Standard for a High Performance Serial Bus, The Institute of Electrical and Electronics Engineers, Inc.-1996 (392 pages)  |
|  | CE |  |
|  |    |  |

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language translation is attached.